GE Energy

X$D IEC

IE2 High Efficient Extra Severe Duty Motors
90-280 Frame
0.55-220 kW
50 Hz or 60 Hz
200 V-690 V

imagination at work

GE sets the standard...

Superior Performance

The X$D IEC meets or exceeds IE2 Nominal efficiencies.

- Overall vibration is 1.6 mm/sec. (0.063 in. per second). This helps to extend the life of the motor and the connected equipment.
- Total shaft runout is 0.025 mm (0.001 in.) for shaft diameters up to 41 mm and 0.038 mm (0.0015 in.) for shaft diameters greater than 41 mm for ball bearing machines.
- GEGARD2400™ insulation systems features Class H insulation materials. This system increases motor protection against IGBT drive voltage spikes that typically can reach 2,400 volts @ 0.1 microsecond rise time, which exceeds NEMA MG1-31 standards.

Bearings

GE's Bearing System assures the maximum possible bearing life when combined with a maintenance program. For optimum performance, the same over-sized bearing is used on both ends of the motor.

- A steel-reinforced recessed slinger is integrated to both the drive-end and opposite drive-end ensuring IP55 protection.
- Fully charged lubrication system with a temperature-resistant polyurea grease suitable for a wide temperature range (-40°C to +130°C).
- An oversized single-shielded bearing is open towards the grease cavity for maximum lubricant circulation.
- 130,000 hours minimum bearing life for direct-drive loads, and 26,280 hours for L10 belt-driven loads.

- A gasketed cast-iron inner bearing cap retains lubricant and protects the bearing system and interior of the motor from contaminants.
- Finned endshield for improved heat dissipation and long bearing life (200-280 frame).

add ---period

Proven Reliability

For years severe duty motors from GE have proven their performance and reliability in the most demanding process industry environments.

- A one-year warranty comes standard with every X$D IEC motor. (12 months operational/18 months maximum from shipment.)
- Cast-in vibration pads provide five-point vibration probe mounting (four radial, one axial).
- Rugged cast iron frame, conduit box, endshields, and fan cover.

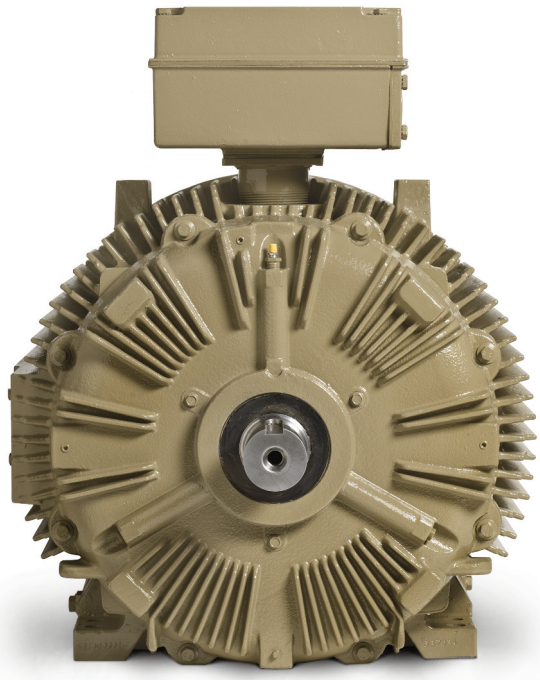
Inverter Duty Application

The GEGARD2400™ insulation system exceeds the NEMA MG1-31 specifications and the requirements of the IEC 60034-17 and 60034-18-41 standards. It has the ability to withstand repeated 0.1 microsecond rise time that typically can reach 2400 volt spikes for up to 575 line voltages.

- Infinite:1 variable torque speed range and 10:1 constant torque* speed range available on request.

  * Some exceptions apply to constant torque speed ranges. Contact GE Energy to verify capability on specific ratings.

- All motors are tested to verify the Corona Inception Voltage (CIV) at the factory before shipment.



IE2 Efficiency

...with powerful features

Serviceability

Even the best motors need service. Our design engineers have made improvements to help make service easy.

- An over-sized gasketed conduit box, containing permanently labeled non-wicking Class H leads to a terminal board, makes connection and installation easy.
- Dual mounting holes for application versatility and reduced inventory.
- Stator core centered in frame for easy conversion of a top or side mounted conduit box for power connections on either side of the motor (except on some FF flange constructions).
- Raised-letter embossed 316 stainless steel nameplate with superior operational and maintenance information.

Superior Corrosion Protection

The motor frame, fan cover, endshield, and conduit box are cast iron for severe duty. Rotor surfaces are coated to resist interior rust, which helps maintain performance.

- Epoxy ester paint system stands up to corrosive environments.
- Non-sparking, corrosion-resistant bidirectional fan* is quiet and energy efficient.

  * Two-pole motor fans are unidirectional in 280 K and H frame sizes.

- Stainless steel combination breather/drains allow condensation to drain from motor.
- Corrosion-resistant ISO Grade 8.8 metric hardware is rugged and designed for ease of motor service.
- Embossed 316 stainless steel nameplate stamped with over 30 motor specification details and all applicable standards.
- Leads are sleeved and are compatible with an oil mist lubrication system.

Safety

GE has added features that make this product safe to install, operate, and maintain.

- Safer lifting is possible with a four-point lifting system versus a single eyebolt.
- Cast-in lifting lugs eliminate eyebolts that may strip, shear, get lost, or be improperly selected.
- Grease inlet fitting at twelve o'clock and outlet fitting at eight o'clock or four o'clock position, which promotes safer regreasing.
- A silicon bronze box lug earthing terminal is located in the conduit box. Additional earthing terminal posts are located toward the drive-end on both sides of the frame for greater operational safety.
- Fan covers on frames 200-280 have axial mounting bolts for more rugged installation.

X$D IEC meets these challenges.

Improved Customer Operating Performance

- The X$D IEC meets or exceeds the requirements for most industry specifications in IEC construction. With an advanced insulation and bearing system, one-year warranty and all the advanced features ~~that come with it, the X$D IEC is the most durable and reliable~~, to ensure high reliability and durability over the life of the motor.

X$D IEC 50 Hz (IE2 Efficiency – Type KFE)

Typical Performance Data at 400 Volts

Output kW	Frame	FL RPM	Cat Number	NP Amps IN (A)	Start/ Full Load Amps IS/IN	Start/ Full Load Torque TS/TN	Full Load Torque TN (Nm)	Starting Torque TS (Nm)	Break-down Torque Tmax (Nm)	NP Eff. Full Load	75% Load Eff.	50% Load Eff.	NP PF Full Load	Max KVAR	Mo-ment of Inertia J (Kgm2)	Approx Motor Mass (kgs)	Sound Pres-sure dB(A)	IEC T Block (@460 V) 6 Stud IEC
0.55	90S	2930	N902	1.3	7.8	2.8	1.8	5.0	6.5	77.2	82.3	79.0	78.5	0.4	0.0013	23	70	M4
0.55	90S	1435	N901	1.2	6.6	3.0	3.7	10.8	12.9	79.9	85.2	84.1	79.5	0.4	0.0032	23	58	M4
0.55	90S	945	N900	1.6	5.0	2.5	5.6	14.0	17.2	74.0	81.1	79.5	68.0	0.6	0.0043	23	55	M4
0.55	90L	700	N971	2.3	3.7	2.8	7.5	20.6	24.9	67.0	66.6	60.8	50.5	1.1	0.0048	23	60	M4
0.75	90S	2910	N905	1.8	6.9	2.4	2.5	6.0	7.7	78.9	85.6	84.6	78.0	0.5	0.0013	23	70	M4
0.75	90S	1425	N904	1.7	6.0	2.8	5.0	14.0	16.8	81.1	82.7	81.4	76.5	0.6	0.0029	23	58	M4
0.75	90S	945	N903	2.1	5.3	2.8	7.6	21.1	25.5	76.0	81.3	79.6	66.5	0.8	0.0049	23	55	M4
0.75	112S	725	N972	2.8	4.6	2.0	9.9	19.5	29.8	71.8	76.2	71.9	53.5	1.2	0.0128	46	62	M6
1.1	90S	2905	N908	2.4	7.7	2.7	3.6	9.8	11.9	80.8	88.1	88.0	83.0	0.5	0.0018	23	70	M4
1.1	90L	1420	N907	2.3	6.4	2.8	7.4	20.9	24.1	82.7	86.9	87.3	84.0	0.5	0.0052	23	58	M4
1.1	112S	970	N906	3.0	7.2	2.3	10.8	24.5	42.4	78.3	87.5	86.1	68.5	1.0	0.0151	46	62	M6
1.1	112S	715	N973	3.7	4.4	1.9	14.7	27.3	38.8	74.7	77.6	74.6	58.0	1.5	0.0146	46	62	M6
1.5	90L	2915	N911	3.3	8.0	3.1	4.9	15.5	18.0	82.6	86.6	85.3	78.5	0.9	0.0020	23	70	M4
1.5	90L	1410	N910	3.1	6.2	2.8	10.2	28.9	32.7	83.9	86.2	86.9	83.5	0.8	0.0052	23	58	M4
1.5	112M	960	N909	4.0	6.4	2.2	14.9	32.5	53.7	79.9	84.1	82.3	67.5	1.5	0.0113	46	62	M6
1.5	112M	700	N974	4.6	4.1	1.6	20.4	33.6	47.7	74.4	76.8	75.2	63.0	1.8	0.0165	46	62	M6
2.2	112S	2940	N914	4.7	7.3	2.0	7.1	14.1	23.5	84.0	89.8	88.6	80.5	1.2	0.0062	46	75	M6
2.2	112S	1455	N913	5.0	6.5	2.4	14.4	34.4	45.8	85.3	88.4	87.6	74.0	1.6	0.0113	46	64	M6
2.2	112M	960	N912	5.6	6.6	2.2	21.9	48.9	79.2	81.9	84.7	83.5	69.5	2.1	0.0151	46	62	M6
2.2	132S	725	N975	6.6	5.3	2.2	29.1	64.7	98.7	82.9	82.8	80.2	58.0	2.9	0.0347	100	63	M6
3	112S	2935	N917	6.1	6.9	1.9	9.8	18.2	29.8	85.3	90.6	90.0	83.0	1.3	0.0073	46	75	M6
3	112S	1460	N916	6.7	6.7	2.5	19.6	48.5	62.4	86.3	89.4	88.5	74.5	2.1	0.0142	46	64	M6
3	132S	975	N915	7.3	6.4	2.1	29.4	62.4	90.0	83.5	88.7	87.8	71.0	2.5	0.0321	100	65	M6
3	132M	720	N976	9.2	5.3	2.3	39.8	91.6	136.1	81.3	82.6	80.3	58.0	3.9	0.0420	100	63	M6
3.7	112M	2930	N920	7.3	6.7	1.8	12.1	22.2	35.7	86.4	91.0	90.8	84.5	1.5	0.0083	46	75	M6
3.7	112M	1455	N919	8.3	6.6	2.5	24.2	60.7	76.9	87.3	89.2	88.4	74.0	2.6	0.0161	46	64	M6
3.7	132M	970	N918	8.5	5.8	1.9	36.5	67.7	96.8	84.7	88.4	88.2	74.5	2.6	0.0340	100	65	M6
3.7	160M	725	N977	9.5	5.0	1.8	48.5	85.4	129.7	82.4	86.9	85.8	68.5	3.4	0.0668	130	63	M6
4	112M	2925	N923	8.0	6.6	1.8	13.1	23.9	38.2	86.4	90.9	90.8	83.5	1.7	0.0083	46	75	M6
4	112M	1450	N922	8.8	6.2	2.3	26.3	60.7	76.9	87.3	88.9	88.6	75.5	2.6	0.0161	46	64	M6
4	132M	970	N921	9.3	5.9	1.9	39.4	76.7	108.9	84.7	88.3	87.9	73.0	3.0	0.0359	100	65	M6
4	160M	730	N978	10.6	5.2	2.0	52.4	103.4	154.6	84.1	86.1	84.4	65.0	4.2	0.0668	130	63	M6
5.5	132S	2920	N926	10.6	6.1	2.0	18.0	36.1	46.4	87.5	89.9	90.0	86.0	2.3	0.0137	100	77	M6
5.5	132S	1465	N925	11.5	6.5	2.0	35.8	70.8	100.1	88.2	90.9	90.5	78.5	3.2	0.0340	100	67	M6
5.5	132M	960	N924	12.3	5.6	1.9	54.6	101.4	139.9	86.1	88.3	88.6	75.0	3.7	0.0434	100	65	M6
5.5	160M	730	N979	14.5	5.4	2.2	72.0	155.6	225.9	84.7	86.9	85.2	64.5	5.9	0.0891	130	63	M6
7.5	132S	2940	N929	13.7	8.5	3.1	24.3	75.0	81.1	88.5	92.6	92.5	89.0	2.7	0.0217	100	77	M6
7.5	132M	1460	N928	15.2	5.9	1.8	49.1	88.4	123.1	89.1	90.8	91.0	80.0	3.8	0.0397	100	67	M6
7.5	160M	970	N927	16.3	5.6	2.0	73.9	150.8	200.7	87.3	89.4	88.9	76.0	5.2	0.0737	130	65	M6
7.5	160L	725	N980	18.2	5.0	1.9	99.0	186.8	268.7	86.1	87.5	86.8	69.0	6.7	0.1069	130	63	M6
11	160M	2955	N932	20.4	6.6	2.2	35.6	78.5	91.5	89.6	92.2	92.2	87.0	3.9	0.0457	130	79	M6
11	160M	1470	N931	21.1	5.7	2.1	71.5	149.4	184.1	90.1	91.9	92.0	83.5	5.3	0.0869	130	69	M6
11	160L	965	N930	21.7	5.5	2.0	109.0	213.1	263.0	88.7	91.3	92.0	82.5	5.0	0.1335	130	65	M6
11	180M	735	N981	25.2	7.0	2.3	142.9	333.0	478.7	86.8	90.2	89.7	72.5	8.3	0.3132	200	68	M6
15	160M	2945	N935	26.9	6.4	2.3	48.6	113.5	117.8	90.5	92.6	93.1	89.0	4.1	0.0571	130	79	M6
15	160L	1470	N934	27.5	6.0	2.2	97.5	219.1	246.7	90.9	93.3	93.7	86.5	5.4	0.1326	130	69	M6
15	180L	975	N933	28.4	6.3	2.1	147.1	302.9	370.8	89.7	91.4	92.1	85.0	6.5	0.2900	200	69	M6
15	200M	725	N982	35.0	4.5	1.7	197.4	337.4	449.7	90.2	91.0	90.6	68.5	12.0	0.4313	365	71	M8
18.5	160L	2965	N938	32.8	9.1	3.8	59.6	226.1	194.0	91.0	94.3	94.3	89.5	5.4	0.0828	130	79	M6
18.5	180M	1480	N937	37.0	6.8	2.0	119.4	234.1	341.5	91.4	93.1	92.7	79.0	10.9	0.1926	200	72	M6
18.5	200L	985	N936	39.1	6.3	1.8	179.4	314.0	513.4	90.4	93.4	92.8	75.5	11.9	0.4458	365	72	M8
18.5	225S	740	N983	41.9	4.7	1.5	238.7	351.3	570.0	91.0	93.5	92.8	70.0	14.1	0.8853	524	71	M8
22	180M	2960	N941	39.0	7.5	3.1	71.0	217.3	221.0	91.4	93.6	93.3	89.0	7.8	0.1170	200	80	M6
22	180L	1475	N940	43.8	6.4	1.9	142.2	264.8	376.8	91.7	92.6	92.2	79.0	12.9	0.2000	200	72	M6
22	200L	980	N939	47.9	5.5	2.2	214.8	475.0	574.2	90.9	92.4	91.8	73.0	15.4	0.4829	365	72	M8
22	225S	740	N284	47.8	4.6	1.4	284.0	399.4	645.7	91.6	94.1	93.6	72.5	14.8	1.0750	524	71	M8
30	200M	2965	N944	56.0	5.2	1.5	96.5	140.5	220.6	92.1	94.3	93.7	84.0	12.2	0.1769	365	82	M8
30	200M	1475	N943	57.2	4.8	1.5	193.9	292.2	428.3	92.4	94.6	94.6	82.0	13.5	0.3611	365	75	M8
30	225M	985	N942	57.6	5.4	1.5	290.0	430.6	709.6	91.7	95.0	94.8	82.0	13.9	1.2420	524	72	M8
30	250S	735	N985	66.5	5.7	1.9	388.7	726.3	1231.6	92.4	93.6	92.7	70.5	23.8	1.4548	721	72	M8
37	200M	2960	N947	67.5	5.1	1.5	119.2	176.0	256.5	92.5	94.5	94.3	85.5	12.9	0.2010	365	82	M8
37	200L	1480	N946	71.5	5.7	1.8	238.5	432.3	616.4	92.8	95.0	94.8	80.5	18.8	0.4581	365	75	M8
37	250M	995	N945	75.2	5.9	1.6	355.6	571.9	957.2	92.2	94.9	94.2	77.0	22.4	1.3482	721	74	M10
37	250M	735	N986	77.9	5.4	1.7	480.7	827.0	1382.5	92.7	94.0	93.6	74.0	25.5	1.7558	721	72	M10
45	225S	2970	N950	85.3	5.4	1.4	144.7	205.0	350.1	92.9	94.8	94.2	82.0	21.3	0.2805	524	84	M8
45	225S	1480	N949	83.5	5.6	1.6	290.0	453.4	711.0	93.1	94.9	95.0	83.5	19.9	0.5991	524	76	M8
45	280S	995	N948	88.7	6.3	1.4	432.2	617.4	1231.3	92.7	94.7	93.9	79.0	25.3	2.7867	998	77	M10
45	280S	740	N987	94.2	4.9	1.4	580.1	803.3	1434.7	93.2	93.7	93.0	74.0	29.7	2.2933	998	74	M10
55	225M	2970	N953	98.4	5.9	1.6	176.8	280.7	433.5	93.3	95.6	95.2	86.5	19.9	0.3569	524	84	M8
55	225M	1480	N952	101.0	5.7	1.6	354.4	570.9	875.5	93.5	94.9	94.8	84.0	23.6	0.6878	524	76	M8
55	280M	995	N951	107.0	6.3	1.5	528.4	777.7	1500.1	93.1	95.0	94.3	79.5	29.8	3.2154	998	77	M10
55	280M	740	N988	112.0	4.8	1.4	709.9	958.5	1666.1	93.4	94.2	93.7	76.0	32.2	2.7103	998	74	M10
75	250M	2975	N956	129.0	7.6	2.0	240.7	481.6	742.3	93.9	95.9	95.8	89.5	23.5	0.6219	721	84	M8
75	250M	1485	N955	137.0	4.8	1.4	482.0	664.0	1048.7	94.0	96.1	96.1	84.0	29.3	1.2281	721	77	M8
75	280M	990	N954	141.0	5.9	1.4	721.3	992.5	1854.9	93.7	95.4	95.0	82.0	34.9	3.8585	998	77	M10
75	280M	740	N989	151.0	5.3	1.6	967.1	1511.4	2490.5	93.7	94.8	94.3	76.5	44.1	3.9612	998	74	M10
90	280M	2985	N958	155.0	7.3	1.7	287.9	483.7	896.7	94.2	95.8	95.2	89.0	29.2	1.1939	998	86	M16
90	280S	1480	N957	160.0	4.9	1.6	580.0	946.0	1361.7	94.4	96.0	95.9	86.0	31.9	2.9820	998	80	M16
90	280K	900	N967	168.0	5.9	1.5	865.8	1268.2	2424.2	94.2	95.4	95.2	82.0	41.4	4.3549	1430	80	M16
90	280K	740	N990	176.0	5.4	1.6	1161.4	1861.7	3003.0	94.1	95.0	94.8	78.5	47.3	5.2121	1430	74	M16
110	280M	2975	N960	187.0	5.7	1.3	352.7	461.2	849.5	94.5	95.7	95.5	90.0	27.5	1.1598	998	86	M16
110	280M	1490	N959	193.0	6.1	1.2	704.6	826.1	1812.6	94.7	96.4	96.4	87.0	38.0	3.2802	998	80	M16
110	280K	990	N968	199.0	5.6	1.4	1059.1	1481.3	2739.8	94.5	95.6	95.7	84.5	42.3	5.3918	1430	80	M16
110	280H	740	N991	221.0	6.3	2.0	1415.8	2827.3	4429.6	94.5	95.2	94.8	76.0	67.8	7.2970	1430	74	M16
132	280K	2980	N961	221.0	6.2	1.4	422.9	587.4	1185.3	94.9	95.9	95.8	91.0	30.3	1.4520	1430	88	M16
132	280K	1490	N963	233.0	5.5	1.1	845.6	921.0	2073.9	94.9	96.5	96.5	86.0	45.8	3.3897	1430	80	M16
132	280K	990	N969	241.0	5.9	1.5	1270.6	1904.1	3477.0	94.8	95.8	95.7	83.5	54.0	6.2214	1430	80	M16
160	280H	2980	N962	264.0	6.5	1.6	512.5	795.6	1473.7	95.2	96.2	96.2	92.0	33.5	1.8480	1430	88	M16
160	280H	1490	N964	276.0	6.0	1.2	1024.2	1272.6	2642.4	95.2	96.9	96.8	88.0	49.0	4.7601	1430	80	M16
160	280H	995	N970	289.0	6.6	1.7	1538.5	2659.0	4660.1	95.1	96.2	96.1	84.0	65.8	8.9173	1430	80	M16
200	280H	1490	N965	349.0	6.2	1.3	1279.9	1659.8	3402.4	95.1	96.6	96.4	87.0	66.2	5.1928	1430	89	M16
220	280H	1490	N966	380.0	6.6	1.4	1407.5	1958.2	3916.4	96.0	96.7	96.4	87.0	75.1	5.7698	1430	89	M16

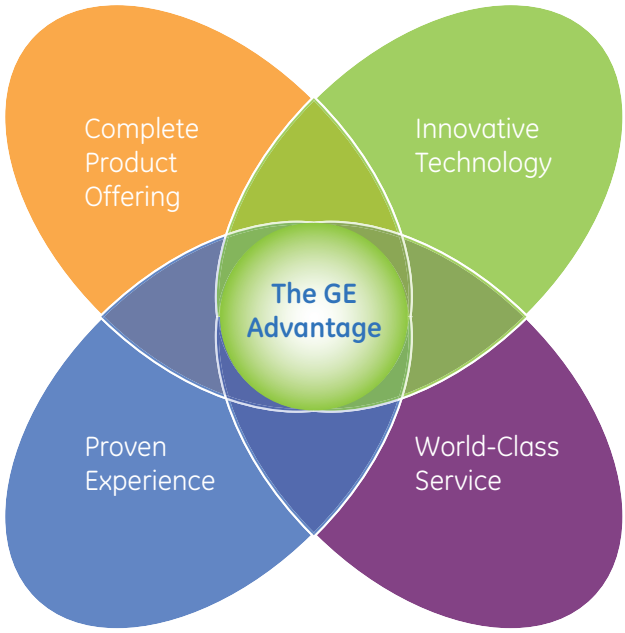
690 V Ratings are also available - Contact GE for details

X$D IEC 60 Hz (IE2 Efficiency – Type KFE)

Typical Performance Data at 460 Volts

Output kW	Frame	FL RPM	Cat Number	NP Amps IN (A)	Start/ Full Load Amps IS/IN	Start/ Full Load Torque TS/TN	Full Load Torque TN (Nm)	Starting Torque TS (Nm)	Break-down Torque Tmax (Nm)	NP Eff. Full Load	75% Load Eff.	50% Load Eff.	NP PF Full Load	Max KVAR	Mo-ment of Inertia J (Kgm2)	Approx Motor Mass (kgs)	Sound Pres-sure dB(A)	IEC T Block (@460 V) 6 Stud IEC
0.55	90S	3520	N350	1.1	7.6	2.2	1.5	3.3	4.7	74.0	86.4	84.8	82.0	0.3	0.0013	23	75	M4
0.55	90S	1730	N356	1.1	6.9	2.9	3.0	8.9	11.5	81.5	83.0	80.9	74.5	0.5	0.0024	23	63	M4
0.55	90S	1145	N364	1.4	5.2	2.5	4.6	11.5	15.0	78.5	79.0	76.2	64.5	0.6	0.0028	23	60	M4
0.55	90L	845	N372	1.9	3.8	2.2	6.2	13.4	17.4	67.0	71.4	67.2	55.5	0.9	0.0040	23	60	M4
0.75	90S	3515	N351	1.5	7.6	2.3	2.0	4.7	6.6	80.0	87.2	86.0	81.0	0.4	0.0013	23	75	M4
0.75	90S	1720	N357	1.5	6.9	2.9	4.2	12.2	15.2	82.5	84.5	83.3	78.0	0.5	0.0028	23	63	M4
0.75	90S	1140	N365	1.7	5.3	2.4	6.3	15.2	19.7	80.0	81.6	79.9	68.5	0.7	0.0042	23	60	M4
0.75	112S	875	N373	2.5	5.0	2.0	8.2	16.0	27.0	74.0	78.7	74.2	50.5	1.3	0.0128	46	65	M6
1.1	90S	3500	N352	2.0	7.7	2.4	3.0	7.2	9.8	82.5	88.1	87.6	82.5	0.5	0.0015	23	75	M4
1.1	90L	1720	N358	2.1	7.4	3.2	6.1	19.5	23.5	84.0	86.4	85.8	80.0	0.7	0.0039	23	63	M4
1.1	112S	1170	N366	2.4	7.6	2.1	9.0	19.0	36.2	85.5	88.4	86.7	68.5	1.0	0.0146	46	65	M6
1.1	112S	870	N374	3.3	5.0	2.0	12.0	23.6	36.6	77.0	79.9	76.3	54.0	1.6	0.0146	46	65	M6
1.5	90L	3500	N353	2.7	7.4	2.4	4.1	9.8	12.9	84.0	85.5	84.2	84.0	0.7	0.0017	23	75	M4
1.5	90L	1725	N359	2.8	7.3	3.2	8.3	26.3	31.0	84.0	86.6	85.9	79.5	1.0	0.0043	23	63	M4
1.5	112M	1165	N367	3.0	6.9	1.9	12.3	23.9	43.5	86.5	87.8	86.7	71.5	1.2	0.0128	46	65	M6
1.5	132S	875	N375	3.9	5.1	1.7	16.4	28.3	49.2	82.5	83.1	80.5	59.0	1.9	0.0219	100	68	M6
2.2	90L	3480	N203	3.9	7.1	2.4	6.0	14.6	18.6	85.0	86.1	85.5	83.0	1.1	0.0020	23	75	M4
2.2	112S	3540	N202	4.0	7.6	2.0	5.9	11.8	20.2	85.5	91.3	90.5	80.0	1.2	0.0057	46	80	M6
2.2	112S	1765	N201	4.1	7.5	2.7	11.9	31.9	41.2	87.5	90.7	89.7	77.0	1.4	0.0123	46	67	M6
2.2	112M	1165	N300	4.5	7.5	2.3	18.0	41.1	71.2	87.5	88.3	87.1	70.0	1.8	0.0180	46	65	M6
2.2	132S	880	N376	6.0	5.9	2.3	23.9	54.9	90.4	84.0	84.4	81.4	55.0	3.1	0.0347	100	68	M6
3	112S	3540	N206	5.2	7.5	2.0	8.1	16.1	26.4	87.5	90.4	89.1	83.5	1.3	0.0073	46	80	M6
3	112S	1755	N205	6.0	6.5	2.4	16.3	39.5	51.2	87.5	88.1	86.7	71.5	2.4	0.0113	46	67	M6
3	132M	1170	N204	5.9	6.3	1.9	24.4	46.0	70.0	87.7	88.7	87.8	72.5	2.3	0.0264	100	68	M6
3	132M	875	N377	7.8	5.7	2.2	32.8	72.5	117.1	84.5	84.7	82.2	57.0	3.9	0.0420	100	68	M6
3.7	112M	3540	N395	6.3	7.6	2.1	10.0	20.5	32.8	87.5	91.1	90.0	84.0	1.5	0.0083	46	80	M6
3.7	112M	1755	N394	7.2	6.6	2.4	20.1	49.2	62.5	87.5	89.4	88.4	74.0	2.6	0.0132	46	67	M6
3.7	132M	1170	N207	7.2	6.4	1.9	30.2	57.1	84.2	87.5	89.5	88.9	74.0	2.6	0.0321	100	68	M6
3.7	160M	880	N378	8.3	5.5	1.9	40.1	75.4	119.6	85.5	88.2	86.4	65.5	3.7	0.0668	130	67	M6
4	112M	3535	N398	6.9	7.5	2.0	10.8	22.1	35.2	87.5	91.2	90.2	83.5	1.7	0.0083	46	82	M6
4	112M	1750	N397	7.3	6.2	2.2	21.8	48.0	60.7	88.5	89.9	89.5	77.5	2.3	0.0137	46	67	M6
4	132M	1170	N396	7.6	6.4	1.9	32.6	61.8	90.4	88.5	89.6	89.1	74.5	2.7	0.0340	100	68	M6
4	160M	880	N379	9.4	5.8	2.1	43.3	91.6	143.6	85.5	87.6	85.3	62.5	4.5	0.0668	130	67	M6
5.5	132S	3535	N315	9.1	7.1	2.1	14.9	30.6	43.4	88.5	90.5	89.6	86.0	2.3	0.0137	100	82	M6
5.5	132S	1770	N314	10.0	7.2	2.2	29.6	66.0	91.2	89.5	91.4	90.4	77.5	3.3	0.0321	100	70	M6
5.5	132M	1175	N313	10.9	7.0	2.3	44.8	103.2	142.8	89.5	90.0	89.1	71.0	4.4	0.0434	100	68	M6
5.5	160M	885	N380	13.0	6.0	2.3	59.5	138.0	209.5	85.5	88.3	86.2	62.0	6.2	0.0891	130	67	M6
7.5	132M	3525	N318	11.8	7.0	2.1	20.3	43.1	55.6	89.5	91.4	91.2	89.0	2.4	0.0171	100	82	M6
7.5	132M	1760	N317	12.9	6.2	1.9	40.6	75.4	103.0	89.5	91.5	91.4	81.5	3.5	0.0378	100	70	M6
7.5	160M	1170	N316	13.4	6.5	2.2	61.1	137.3	175.4	89.5	90.4	89.8	78.5	4.6	0.0737	130	68	M6
7.5	160L	880	N381	15.9	5.6	2.0	81.5	165.3	248.4	88.5	89.2	88.0	67.0	7.1	0.1069	130	67	M6
11	160M	3555	N321	17.5	6.7	2.0	29.5	58.0	76.1	90.2	92.1	91.6	87.5	3.6	0.0428	130	84	M6
11	160M	1770	N320	17.9	5.9	2.1	59.4	121.7	147.6	91.0	92.6	92.6	85.0	4.5	0.0823	130	72	M6
11	160L	1175	N319	20.3	7.3	2.8	89.5	250.3	298.8	90.2	90.5	89.6	75.5	7.8	0.1013	130	68	M6
11	180M	885	N382	20.9	6.9	2.0	118.7	238.9	359.5	88.5	91.5	91.1	74.5	7.2	0.3132	200	71	M6
15	160M	3550	N324	23.5	7.0	2.3	40.3	90.7	103.3	90.2	93.0	92.8	89.0	4.1	0.0542	130	84	M6
15	160L	1770	N323	24.3	6.6	2.4	80.8	196.2	219.9	91.0	93.4	93.3	85.0	6.2	0.1097	130	72	M6
15	180L	1180	N322	28.4	5.8	1.7	121.2	202.4	328.0	90.2	91.6	90.7	73.5	10.8	0.2471	200	72	M6
15	200M	880	N383	31.4	5.1	1.8	162.7	300.6	411.5	89.5	92.0	91.0	67.0	12.8	0.4313	365	74	M8
18.5	160L	3550	N327	28.5	7.4	2.5	49.7	126.6	131.9	91.0	93.3	93.3	89.5	5.0	0.0628	130	84	M6
18.5	180M	1775	N326	30.3	6.4	1.8	99.4	174.9	256.0	92.4	93.5	93.3	83.0	8.6	0.1704	200	75	M6
18.5	200L	1180	N325	35.2	5.5	2.0	149.8	303.1	394.4	91.7	92.1	91.1	72.0	13.5	0.3715	365	75	M8
18.5	200L	875	N384	38.2	4.8	1.8	201.6	352.9	477.2	89.5	91.3	90.5	68.0	15.1	0.4493	365	74	M8
22	180M	3555	N330	34.1	6.9	2.6	59.1	153.6	165.0	91.0	93.1	92.5	89.0	7.3	0.0975	200	85	M6
22	180L	1775	N329	35.8	6.7	1.9	118.2	220.6	309.1	92.4	93.8	93.6	83.5	10.0	0.2000	200	75	M6
22	200L	1175	N328	39.6	5.6	2.1	178.4	370.8	445.2	91.7	93.1	92.6	76.0	13.1	0.4458	365	75	M8
22	225S	890	N385	43.0	5.0	1.6	235.9	369.7	585.1	91.0	94.1	93.3	70.5	16.3	0.9486	524	74	M8
30	200M	3570	N263	48.2	5.9	1.6	80.2	125.8	203.5	93.0	93.9	92.8	84.0	12.7	0.1769	365	87	M8
30	200M	1780	N262	50.6	5.1	1.6	161.0	254.3	375.1	93.0	94.4	94.0	80.0	15.2	0.3055	365	78	M8
30	225M	1185	N261	49.4	5.3	1.4	241.3	346.7	558.3	93.0	94.8	94.5	82.0	13.2	1.0459	524	75	M8
30	225M	885	N386	55.9	4.4	1.3	322.8	420.7	656.7	91.0	94.1	93.7	74.0	18.0	1.0750	524	74	M8
37	200M	3565	N266	58.4	5.4	1.5	99.1	144.5	221.4	92.4	94.3	93.6	86.0	12.8	0.1930	365	87	M8
37	200L	1780	N335	60.9	5.2	1.7	198.6	329.0	455.7	93.0	94.9	94.7	82.0	16.5	0.3888	365	78	M8
37	250M	1195	N264	65.3	6.1	1.6	296.0	477.1	811.1	93.0	94.6	93.6	76.5	22.9	1.1926	721	77	M10
37	250M	890	N387	75.0	6.4	2.2	397.7	864.0	1445.9	91.7	93.6	92.2	67.5	33.1	1.5551	721	75	M10
45	225S	3570	N269	71.0	6.0	1.5	120.3	174.9	302.1	93.0	95.0	94.1	85.5	17.5	0.2933	524	89	M8
45	225S	1780	N338	71.4	5.1	1.4	241.5	333.8	525.8	93.6	94.9	94.9	84.5	17.2	0.5325	524	79	M8
45	280S	1195	N337	73.6	6.5	1.4	359.8	514.2	995.0	93.6	94.5	93.4	82.0	21.2	3.1082	998	80	M10
45	280S	890	N388	84.4	5.6	1.6	481.6	752.8	1325.9	91.7	94.0	92.9	73.0	31.1	2.2933	998	77	M10
55	225M	3570	N342	86.3	6.1	1.6	147.0	232.4	372.0	93.0	95.4	94.7	86.0	20.4	0.3315	524	89	M8
55	225M	1780	N341	86.8	5.8	1.7	294.8	487.0	720.7	94.1	95.4	95.3	84.5	22.1	0.6656	524	79	M8
55	280M	1195	N340	92.8	6.3	1.4	439.9	630.4	1234.1	93.6	94.5	93.5	79.5	30.2	2.7867	998	80	M10
55	280M	890	N389	107.0	5.6	1.7	588.7	994.0	1715.2	93.0	93.4	92.0	69.5	44.8	2.3976	998	77	M10
75	250M	3570	N345	112.0	7.1	1.7	200.4	339.8	575.1	93.6	95.7	95.3	89.5	21.6	0.5830	721	89	M8
75	250M	1785	N344	119.0	4.6	1.3	401.1	541.1	848.7	94.5	96.0	95.9	83.5	29.1	1.0527	721	80	M8
75	280M	1190	N343	123.0	5.9	1.4	600.3	820.2	1532.0	94.1	95.0	94.3	81.5	35.6	3.3226	998	80	M10
75	280M	890	N390	141.0	5.9	1.8	803.0	1431.7	2337.7	93.0	94.3	93.2	72.0	53.9	3.3358	998	77	M10
90	280M	3580	N347	135.0	6.4	1.3	239.9	322.4	656.5	94.5	95.7	95.2	88.5	28.4	0.9551	998	91	M16
90	280S	1785	N346	141.0	5.8	1.6	481.7	780.9	1232.6	94.5	95.5	95.2	85.0	36.4	1.9383	998	83	M16
90	280K	1195	N368	145.0	6.3	1.6	720.1	1139.0	2093.1	94.1	95.5	95.0	83.0	39.8	4.3549	1430	82	M16
90	280K	890	N391	154.0	5.5	1.6	965.4	1540.0	2459.7	93.6	95.2	94.8	78.5	46.4	4.4824	1430	77	M16
110	280M	3580	N349	163.0	5.9	1.2	293.4	362.4	725.6	94.5	95.8	95.6	89.5	30.3	1.0575	998	91	M16
110	280M	1790	N348	167.0	6.3	1.2	586.4	697.1	1537.0	95.0	96.3	96.1	87.0	38.2	3.0566	998	83	M16
110	280K	1190	N369	173.0	6.1	1.6	880.5	1378.4	2464.8	95.0	95.6	95.3	84.0	45.2	5.0808	1430	82	M16
110	280K	890	N392	184.0	5.2	1.5	1181.7	1767.2	2767.4	93.6	95.3	95.2	80.0	50.0	5.6291	1430	77	M16
132	280K	3585	N354	194.0	7.0	1.6	351.6	545.7	1122.2	95.0	95.5	94.8	90.0	36.8	1.3860	1430	91	M16
132	280K	1790	N360	202.0	6.3	1.3	703.3	886.1	1933.6	95.0	96.4	96.2	86.5	47.7	3.3176	1430	85	M16
132	280K	1190	N370	205.0	6.1	1.6	1056.8	1662.7	2870.4	95.0	95.9	95.7	85.0	48.4	6.8435	1430	82	M16
132	280H	890	N393	220.0	5.1	1.5	1418.8	2100.5	3231.8	93.6	95.5	95.5	80.5	56.3	7.2970	1430	77	M16
160	280H	3580	N355	230.0	6.8	1.7	426.5	743.5	1263.8	95.0	95.9	95.5	92.0	33.2	1.8480	1430	91	M16
160	280K	1790	N361	239.0	6.1	1.3	852.7	1073.2	2189.9	95.0	96.6	96.6	88.5	47.2	4.2552	1430	85	M16
160	280H	1195	N371	249.0	6.5	1.7	1280.5	2208.4	3714.2	95.0	96.1	95.8	85.0	61.3	8.3988	1430	82	M16
200	280H	1795	N362	305.0	7.0	1.5	1064.8	1566.4	3198.8	95.0	96.3	95.7	86.5	73.7	5.0485	1430	89	M16
220	280H	1790	N363	329.0	6.6	1.4	1171.7	1633.3	3229.3	95.4	96.4	95.9	88.0	68.9	5.6255	1430	89	M16

Contact GE for details on additional ratings



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